

CLAIMS

We claim:

1. A trailer for moving a part of an oil rig along a support surface, said trailer comprising:
 - a bottom frame;
 - a top frame;
 - a structure operably associated with said bottom and top frames for moving said top and bottom frames away from and towards one another; and
 - a moving means attached to at least said bottom frame to allow the trailer to be moved along the support surface.
2. The trailer of claim 1, wherein the structure is further operative to temporarily fix the position of said top and bottom frames with respect to one another.
3. The trailer of claim 2, wherein said structure for moving said top and bottom frames relative to one another comprises at least one hydraulic piston.
4. The trailer of claim 2, wherein the structure comprises at least one scissors jack.
4. The trailer of claim 1, wherein said moving means comprises at least one wheel.

5. The trailer of claim 1, wherein said moving means comprises a skid surface.
6. The trailer of claim 1, wherein said moving means comprises at least one track.
7. The trailer of claim 1, further comprising a jeep operative to connect said bottom frame to a vehicle.
8. The trailer of claim 1, wherein said moving means includes at least one railroad wheel for use on a railroad track.
9. The trailer of claim 3 wherein the structure further comprises at least one scissors jack.
10. The trailer of claim 3, further comprising an alignment mechanism affixed to one of said top frame and bottom frame, the alignment mechanism operative to align said top frame with a top surface of said oil rig.
11. The trailer of claim 10, wherein said alignment mechanism comprises:
 - an extension;
 - a conical member extending from said extension; and
 - a beam guide extending from said extension.

12. The trailer of claim 10, further comprising an I-beam affixed to said top surface and operative to facilitate loading said part of said oil rig onto said trailer.
13. A trailer system for moving an oil rig mast having an interconnected base, body, and top, said trailer system comprising:
 - a mast dolly for supporting said base of said oil rig mast;
 - a mast support for supporting said top of said oil rig mast; and
 - a support connecting said mast support to said mast dolly.
14. The trailer system of claim 13, wherein said support comprises said body of said oil rig mast.
15. The trailer system of claim 13, wherein said mast dolly comprises:
 - a trailer upon which said base of said oil rig mast rests;
 - a height-adjustable support framework operably connected to said trailer;
 - a moving means attached to said support framework; and
 - a retractable front support attached to said height-adjustable support.
16. A method of moving at least part of an oil rig, the oil rig comprising at least a substructure and rig floor, said method comprising:
 - moving at least said rig floor onto a trailer from said substructure;
 - moving said trailer carrying at least said rig floor; and
 - moving said substructure separately from said trailer.

17. A method as defined in claim 16, wherein said oil rig further comprises a mast, said method further comprising:

unitarily moving at least said rig floor and mast onto a trailer from said substructure; and

moving said trailer carrying at least said rig floor and said mast.

18. A method as defined in claim 16, wherein said oil rig further comprises a mast, said method further comprising:

moving said mast to a mast dolly;

moving said trailer carrying said rig floor; and

moving said mast dolly carrying said mast separately from said substructure and said trailer.

19. A method for transporting an oil rig, comprising:

disassembling the oil rig to form a top portion and bottom portion; and

transporting the top portion separately from the bottom portion.

20. The method of claim 19, wherein:

the top portion comprises a rig floor and a mast; and

the bottom portion comprises a substructure; and

the method further comprises transporting said rig floor on a trailer.

21. The method of claim 20, further comprising:
moving said rig floor and mast from atop said substructure onto said trailer;
attaching said trailer to a vehicle by at least one jeep; and
moving said substructure under its own power; and wherein
said step of transporting said rig floor and mast on a trailer comprises hauling
the rig floor and mast placed on said trailer by said vehicle.
22. The method of claim 20, further comprising:
disconnecting said mast from said rig floor;
pivoting said mast about a kingpin by means of a draw works;
loading said mast at least partially on a mast dolly;
further loading said mast at least partially on a mast support; and
transporting said mast separately from said rig floor.
23. The method of claim 22, further comprising:
attaching said trailer to a jeep with a gooseneck;
attaching said jeep to a vehicle; and wherein
said step of transporting said rig floor on a trailer comprises hauling said
trailer with said vehicle.
24. The method of claim 23, further comprising exerting a traction force on said
vehicle by means of a load transfer mechanism attached to said jeep.

25. The method of claim 20, further comprising:
- raising a top surface of said trailer to accept said rig floor; and
 - prior to said step of transporting said rig floor on said trailer, lowering said top surface of said trailer.